

## CLAIMS

What is claimed is:

1. A method for deploying digital subscriber line (DSL) service via a combination analog/DSL modem, said method comprising:
- 5 receiving a subscriber login request into a network site via an analog modem portion of a combination analog/DSL modem;
- determining a suitability of a service line used by said subscriber for supporting DSL service via said combination analog/DSL modem; and
- 10 approving installation of DSL service on said service line when said suitability is determined to support DSL service.
2. The method for DSL service via a combination analog/DSL modem according to claim 1, further comprising:
- 15 substantially immediately after said step of approving, providing DSL service to said combination analog/DSL modem.
3. The method for DSL service via a combination analog/DSL modem according to claim 1, wherein:
- 20 said network site is accessed via a separate connection to an Internet.

4. The method for DSL service via a combination analog/DSL modem according to claim 1, further comprising:

providing at least one of an address and a telephone number to said network site via said analog modem portion of said  
5 combination analog/DSL modem.

5. The method for deploying DSL service via a combination analog/DSL modem according to claim 1, wherein said determining said suitability of said service line further comprises:

10 performing a measurement of at least one parameter of said service line using said analog modem portion of said combination analog/DSL modem.

6. The method for deploying DSL service via a combination analog/DSL modem according to claim 5, wherein said performing of said measurement further comprises:

measuring an amplitude of a signal transmitted over said service line.

7. The method for deploying DSL service via a combination analog/DSL modem according to claim 5, wherein said performing of said measurement further comprises:

measuring a return echo over said service line.

8. The method for deploying DSL service via a combination analog/DSL modem according to claim 5, wherein said performing of said measurement further comprises:

measuring a tip voltage of said service line.

9. The method for deploying DSL service via a combination analog/DSL modem according to claim 5, wherein said performing of said measurement further comprises:

measuring a ring voltage of said service line.

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10. The method for deploying DSL service via a combination analog/DSL modem according to claim 5, wherein said performing of said measurement further comprises:

measuring a capacitance of said service line.

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11. The method for deploying DSL service via a combination analog/DSL modem according to claim 5, wherein said performing of said measurement further comprises:

measuring an impedance of said service line.

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12. The method for deploying DSL service via a combination analog/DSL modem according to claim 1, further comprising:

informing said subscriber that DSL service is not available when said service line is determined to not support DSL service.

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13. The method for deploying DSL service via a combination analog/DSL modem according to claim 12, further comprising:

informing said subscriber of a reason that DSL service is not available.

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14. The method for deploying DSL service via a combination analog/DSL modem according to claim 1, further comprising:

selecting a DSL modem portion of said combination analog/DSL modem.

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15. The method for deploying DSL service via a combination analog/DSL modem according to claim 14, further comprising:

5           troubleshooting said installed DSL service by causing said analog modem portion of said combination analog/DSL modem to determine suitability of said service line

10           16. A computer program product for deploying digital subscriber line (DSL) services via a combination analog/DSL modem, the computer program product comprising a computer usable medium having computer readable program code thereon, the computer readable program code including:

15           program code for logging into a network site via an analog modem portion of a combination analog/DSL modem;

          program code for determining a suitability of a service line for DSL services via said combination analog/DSL modem; and

          program code for installing DSL services when said service line is determined to be suitable to support DSL services.

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17. The computer program product according to claim 16,  
further comprising:

program code for accessing said network site via a separate  
connection to an Internet.

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18. The computer program product according to claim 16,  
further comprising:

program code for providing at least one of an address and a  
telephone number to said network site via said analog modem portion of  
said combination analog/DSL modem.

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19. The computer program product according to claim 16,  
wherein program code for determining a suitability of a service line further  
comprises:

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program code for directing said analog modem portion of  
said combination analog/DSL modem to measure at least one parameter  
of said service line.

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20. The computer program product according to claim 19,  
wherein said at least one parameter comprises:

an amplitude of a signal transmitted over said service line.

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21. The computer program product according to claim 19,  
wherein said at least one parameter comprises:

a return echo over said service line.

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22. The computer program product according to claim 19,  
wherein said at least one parameter comprises:

a tip voltage of said service line.

23. The computer program product according to claim 19,  
wherein said at least one parameter comprises:  
a ring voltage of said service line.

5 24. The computer program product according to claim 19,  
wherein said at least one parameter comprises:  
a capacitance of said service line.

10 25. The computer program product according to claim 19,  
wherein said at least one parameter comprises:  
an impedance of said service line.

15 26. The computer program product according to claim 16,  
further comprising:  
program code for selecting a DSL modem portion of said  
combination analog/DSL modem.

20 27. A combination analog/DSL modem comprising:  
an analog modem module;  
a DSL modem module;  
a parameter test module adapted to measure at least one  
parameter of a service line via said analog modem module; and  
a parameter reference module adapted to correlate said  
measurement by said parameter test module to a suitability for supporting  
25 services via said DSL modem module.

28. The combination analog/DSL modem of claim 27,  
wherein:  
said parameter test module is adapted to measure an  
30 amplitude of a signal transmitted over said service line.

29. The combination analog/DSL modem of claim 27,  
wherein:

5 said parameter test module is adapted to measure a return  
echo over said service line.

30. The combination analog/DSL modem of claim 27,  
wherein:

10 said parameter test module is adapted to measure a tip  
voltage of said service line.

31. The combination analog/DSL modem of claim 27,  
wherein:

15 said parameter test module is adapted to measure a ring  
voltage of said service line.

32. The combination analog/DSL modem of claim 27,  
wherein:

20 said parameter test module is adapted to measure a  
capacitance of said service line.

33. The combination analog/DSL modem of claim 27,  
wherein:

25 said parameter test module is adapted to measure an  
impedance of said service line.